

## **Facility Description**

**CAA-02-2014-1459**

### **Part III A.1.d**

Covanta Huntington, Inc. owns and operates the Huntington Resource Recovery Facility (HRRF), a waste-to-energy (WTE) facility situated on a 13 acre site owned by the Town of Huntington in East Northport, NY. The facility is located adjacent to the Town-owned and operated landfill which no longer accepts municipal solid waste (MSW). The facility, which was one of Covanta Energy's first WTE facilities to open, began commercial operation in December of 1991. It serves the Townships of Huntington and Smithtown on the north shore of Long Island covering an approximate 150 square mile service area. The facility can process a nominal 750 tons of waste (@6000 btu/lb) per day of post-recycled MSW and generates up to 26 megawatts of renewable energy. Just under three megawatts are used to power plant equipment while @ 23 megawatts are sold to the Long Island Power Authority (LIPA). With a moratorium on land filling on Long Island, the HRRF provides both a sustainable and environmentally appropriate way for the Town to dispose of its waste. In addition, by generating electricity for the equivalent of approximately 23,000 homes, facility operations significantly offset the burning of fossil fuels by the local utility

The HRRF facility consists of three municipal waste combustors each with a nominal design capacity of 250 tons per day. Each combustor is a massburn waterwall design that utilizes a Martin™ stoker technology. This proven mass burn technology reduces the post-recycled solid waste volume by approximately 90%. Each combustor exhausts through a separate flue into a common stack. Air pollution control (APC) equipment includes dry scrubbers for acid gas control, a selective non-catalytic reduction (SNCR) process using urea based reagents to control nitrogen oxides, activated carbon injection for mercury control, fabric filters for particulate removal, and good combustion practices. The facility employs a continuous emissions monitoring system (CEMS) that provides continuous feedback on the efficiencies of the APC equipment.